

## ABSTRACT

The electric dust collector of the present invention has an oblong holding unit provided on the air channel of an air conditioner or the like; a high-voltage applying device provided at an end of the holding unit; a front-open contact protector of substantially inverted U-shape that contains  
5 a high-voltage power feeding terminal connected to the high-voltage applying device; a filter unit attached to the holding unit; and a slide projection provided on the filter unit. The slide projection has a high-voltage power receiving terminal removably fitted into the contact  
10 protector, allowing the filter unit to be removably attached to the holding unit. The high-voltage power feeding terminal covered with the contact protector is free from dust collection. The structure can prevent contact failure or electrical leak.